TOF beam test (JUL 11 2003)

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Set-up

- Using commercial ADC and TDC
 PHILLIPS 7186(TDC), LECROY 2249W(ADC)
- Anode signal Pulse Height 1V for MIPs (at center of the counter)
- Discriminator Threshold –25mV
- One counter, Two configurations, Three measured points, four different momentums

with reflector on scintillator, without reflector on scintillator center (z=0cm), left (z=-42.5cm), right (z=+42.5cm)* 0.5GeV/c, 1.0GeV/c, 1.5GeV/c, 2.0GeV/c

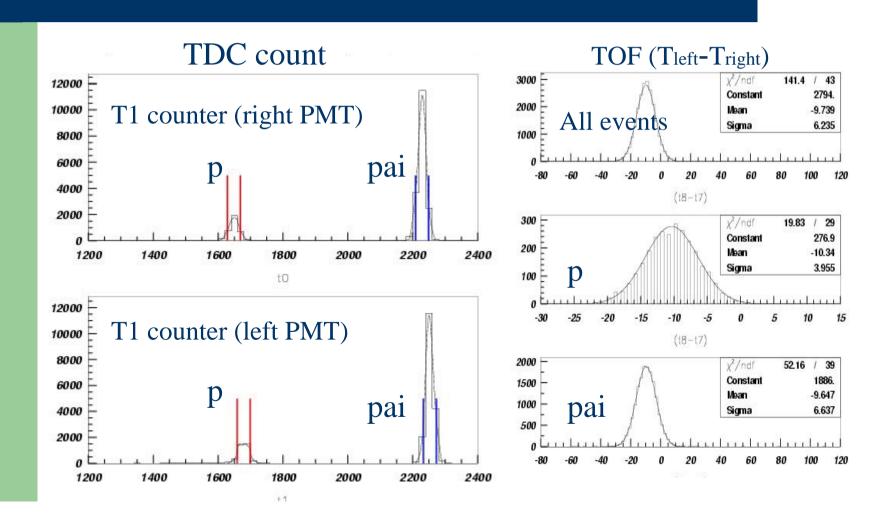
- Taking 30k events for each points and momentums
- Trigger and other set-up were almost same as the MTOF beam test set-up







Z=0,Momentum=0.5GeV/c, w/reflector



TOF single counter resolution (Z=0,w/reflector)

	Total	Р	Pai
0.5GeV/c	77.94 ps	49.44 ps	82.96 ps
1.0GeV/c	78.69 ps	71.11 ps	84.96 ps
1.5GeV/c	82.05 ps	81.23 ps	83.78 ps
2.0GeV/c	84.05 ps	83.64 ps	84.74 ps